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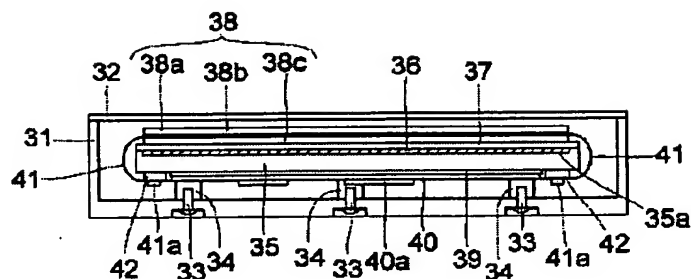
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TITLE : RADIATION IMAGING DEVICE



ABSTRACT : PROBLEM TO BE SOLVED: To meet the requirements for increasing mechanical strength and for shielding against radiation scattered from the back of a device.

SOLUTION: A lower casing 31 is closed by an upper casing 32 which is permeable to X-rays, and a base 35 is mounted on a support portion 34 secured to the lower casing 31 through screws 33. A recess 35a is formed in the top of the base 35 and a radiation shield 36 made of a heavy metal for shielding against radiation is positioned within the recess 35a and integrated with the base 35 by a retaining plate 37. Further, a radiation image detection panel 38 is fixed on the retaining plate 37. By providing the radiation shield 36, part of radiation incident on an upper surface, even if transmitted through the panel 38, can be reduced in the rate at which it is transmitted below the radiation shield 36. Because the scattered radiation returning from the underside because of the transmitted radiation is also blocked by the radiation shield 36, the influence of the radiation on images can be reduced.

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